

Material Safety Data Sheet

Material Name: GLASS MAT FACED GYPSUM PANELS**ID:** GP-072

*** Section 1 - Chemical Product and Company Identification ***

Chemical Name: GLASS MAT FACED GYPSUM PANELS**Trade Name:** See Product List Found in Section 16

Product Use: Patented water-resistant boards for exterior and interior walls and ceilings, interior floors, countertops, roof decks, elevator shafts and stairwells. FIREGUARD® panels can be used in fire-rated assemblies and area separation walls.

Manufacturer Information

G-P Gypsum Corporation
A wholly owned subsidiary of
Georgia Pacific Corporation
133 Peachtree Street NE
Atlanta, GA 30303

Georgia Pacific Canada, Inc.
A wholly owned subsidiary of
Georgia Pacific Corporation
319 Allanburg Road
Thorold, Ontario
L2V 3ZB, Canada

800-225-6119 (Technical Information)
404-652-5119 (MSDS Request)

800-424-9300 (CHEMTREC Emergency)

Description

Gray, gold, green, tan, blue, silver, or white glass mat faced panels

*** Section 2 - Composition / Information on Hazardous Ingredients ***

CAS #	Component	Percent
7778-18-9	Calcium sulfate*	85-98
65997-17-3	Continuous Filament Glass Fibers	1-5

Component Related Regulatory Information

*This product may be regulated, have exposure limits or other information identified as the following: Crystalline silica, (quartz), Glass filaments. See Section 8 for exposure information.

Component Information/Information on Non-Hazardous Components

Gypsum contains naturally occurring crystalline silica (quartz). Due to its natural occurrence, the exact percentage of crystalline silica is unknown.

*** Section 3 - Hazards Identification ***

Emergency Overview

CAUTION! Cutting, sanding or otherwise working with this product may generate large amounts of dust. Dust may cause respiratory tract, eye and skin irritation. This product also contains naturally occurring crystalline silica (quartz), which is listed as a lung carcinogen.

Potential Health Effects: Eyes

Dust may cause mechanical eye irritation. Good housekeeping practices are recommended.

Potential Health Effects: Skin

Handling can cause dry skin. Dust and glass fibers may produce itching, rash and redness.

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Potential Health Effects: Ingestion

Not applicable under normal conditions of use. May result in obstruction and temporary irritation of the digestive tract.

Potential Health Effects: Inhalation

Dust can cause irritation to the respiratory tract. Good housekeeping practices are recommended.

HMIS Ratings: Health: 1 Fire: 0 Physical Hazard: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

***** Section 4 - First Aid Measures *****

First Aid: Eyes

Immediately rinse with water. Remove contact lenses. Hold eyelids apart and flush eyes with water for at least 15 minutes. If irritation persists, get medical attention.

First Aid: Skin

Wash affected areas gently with soap and water. Rubbing or scratching may force fibers into skin. If irritation persists, get medical attention. Launder contaminated clothing separately before reuse or dispose of properly.

First Aid: Ingestion

Ingestion may result in obstruction and/or irritation to the digestive tract. Get medical attention, if needed.

First Aid: Inhalation

Remove to fresh air immediately. If persistent irritation, severe coughing or breathing difficulty occurs, get medical attention.

***** Section 5 - Fire Fighting Measures *****

Flash Point

Not Applicable

Auto Ignition

Not Applicable

General Fire Hazards

This product is fire resistant and has the following surface burning characteristics as reported by nationally recognized laboratories: Flame Spread: 0 - 25.

Hazardous Combustion Products

None Known

Extinguishing Media

Not Applicable

NFPA Ratings: Health: 1 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

***** Section 6 - Accidental Release Measures *****

Containment Procedures

Not applicable for product in purchased form. Pick up large pieces. To prevent obstruction, do not wash down drain. Sweep or vacuum material into a waste container for disposal. If needed, use water spray to wet down and minimize dust generation. Wear approved respirator, if necessary.

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*** Section 7 - Handling and Storage ***

Handling Procedures

Avoid contact with eyes, skin and clothing. Always test air prior to entry to ensure atmosphere is below the permissible exposure limit.

Storage Procedures

Store level and keep dry. Dew point or other conditions causing the presence of moisture can damage the product during storage.

*** Section 8 - Exposure Controls / Personal Protection ***

Exposure Guidelines

Component Exposure Limits

Calcium sulfate (7778-18-9)

ACGIH: 10 mg/m³ TWA (particulate matter containing no asbestos and < 1% crystalline silica)
OSHA: 15 mg/m³ TWA; 5 mg/m³ TWA (respirable fraction)

Continuous Filament Glass Fibers (65997-17-3)

ACGIH: 1 f/cc TWA (respirable fibers: length > 5 µm, aspect ratio equal to or greater than 3:1, as determined by the membrane filter method at 400-450X magnification (4-mm objective), using phase-contrast illumination.); 5 mg/m³ TWA (inhalable fraction) (related to Continuous filament glass fibers)

Silica, crystalline, quartz (14808-60-7)

ACGIH: 0.05 mg/m³ TWA (respirable fraction)
OSHA: 10 mg/m³ / %SiO₂ + 2 TWA (respirable)

Engineering Controls

Provide local and general exhaust ventilation to keep airborne concentrations below exposure limits. Use wet methods, if appropriate, to reduce generation of dust.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear eye goggles or safety glasses for nuisance dust. Ensure compliance with OSHA's PPE standards (29 CFR 1910.132 and 133) for eye and face protection.

Personal Protective Equipment: Skin

Protective gloves recommended to prevent drying or irritation of hands. Ensure compliance with OSHA's PPE standards 29 CFR 1910.132 (general) and 138 (hand protection).

Personal Protective Equipment: Respiratory

Wear NIOSH approved respirator when permissible exposure limit to dust may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z99.2).

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*** Section 9 - Physical & Chemical Properties ***

Appearance:	Gray, gold, green, tan, blue, silver or white glass mat faced boards	Odor:	Odorless
Physical State:	Solid	pH:	6-8
Vapor Pressure:	Not Applicable	Vapor Density:	Not Applicable
Boiling Point:	Not Applicable	Melting Point:	Not Applicable
Solubility (H2O):	<0.2% @ 22°C	Specific Gravity:	2.3

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

Stable material

Chemical Stability: Conditions to Avoid

Reaction with strong acids will generate carbon dioxide.

Incompatibility

None Identified

Hazardous Polymerization

Will not occur

*** Section 11 - Toxicological Information ***

Acute and Chronic Toxicity

Crystalline Silica: Respirable crystalline silica in the form of quartz or cristobalite from occupational sources is listed by the International Agency for Research on Cancer (IARC) and National Toxicology Program (NTP) as a lung carcinogen.

Prolonged exposure to respirable crystalline silica has been known to cause silicosis, a lung disease, which may be disabling. While there may be a factor of individual susceptibility to a given exposure to respirable silica dust, the risk of contracting silicosis and the severity of the disease is clearly related to the amount of dust exposure and the length of time (usually years) of exposure.

Continuous Filament Glass Fibers: In 1987, IARC classified continuous filament glass fibers as a Group 3 substance, "not classifiable as to its carcinogenicity to humans". In 2001, IARC re-affirmed this designation. Continuous filament glass fibers are not considered respirable due to its large diameter.

Component Analysis - LD50/LC50

No LD50/LC50's are available for this product's components.

Carcinogenicity

Component Carcinogenicity

Calcium sulfate (7778-18-9)

- ACGIH: A2 – Suspected Human Carcinogen (related to Silica, crystalline – Quartz)
- NTP: Known Carcinogen (related to Silica, crystalline (respirable size))
- IARC: Monograph 68, 1997 (related to Silica, crystalline (general form)) (Group 1 (carcinogenic to humans))

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Continuous Filament Glass Fibers (65997-17-3)

ACGIH: A4 - Not Classifiable as a Human Carcinogen (related to Continuous filament glass fibers)

IARC: Monograph 43, 1988; Monograph 81, 2002 (related to Continuous glass filaments) (Group 3 (not classifiable))

*** Section 12 - Ecological Information ***

Ecotoxicity

A: General Product Information

No information found.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

No ecotoxicity data are available for this product's components.

Environmental Fate

No information is found.

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

A: General Product Information

This product, if discarded as supplied, is not considered a hazardous waste under Federal Hazardous Waste Regulations 40 CFR 261. If processing, use, or contamination alters the material, the waste must be tested using methods described in 40 CFR 261 to determine if it meets applicable definitions of hazardous wastes.

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

Dispose of as inert solid in landfill. Dispose of waste material according to local, state, federal and provincial environmental regulations.

*** Section 14 - Transportation Information ***

International Transportation Regulations

This material is not a DOT hazardous material.

*** Section 15 - Regulatory Information ***

US Federal Regulations

A: General Product Information

Dust and potential respirable crystalline silica generated from cutting, sanding or otherwise machining this product may be hazardous.

B: Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

State Regulations

A: General Product Information

Airborne particles of respirable size crystalline silica are known to the State of California to cause cancer. Worker exposure testing conducted by Georgia Pacific on various industrial gypsum products did not demonstrate an exposure to respirable crystalline silica.

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B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Calcium sulfate	7778-18-9	No	Yes	Yes	Yes	Yes	No
Continuous filament glass fibers	65997-17-3	No	No	Yes	No	No	No

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause cancer.

Canadian WHMIS Information

General Product Information

This product is not a controlled product.

Additional Regulatory Information

Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Calcium sulfate	7778-18-9	Yes	DSL	EINECS
Continuous filament glass fibers	65997-17-3	Yes	DSL	EINECS

*** Section 16 - Other Information ***

Other Information

Trade Names of Products

DensArmor™
DensArmor™ FIREGUARD®
DensArmor™ Plus Interior Panel
DensArmor™ Plus FIREGUARD® Interior Panel
Dens-Core®
DensDeck DuraGuard™ Roof Board
DensDeck® Roof Board
DensDeck® FIREGUARD® Roof Board
DensDeck Prime™ Roof Board
DensGlass Gold® Exterior Sheathing
DensGlass Gold® FIREGUARD® Exterior Sheathing
DensGlass Silver™ Residential Sheathing
DensGlass® Ultra Shaftliner™ Guard
DensMarine™ Board
DensShield® FIREGUARD® Tile Guard
DensShield® Tile Backer

MSDS History

Effective Date: 01/14/2005
Supersedes Date: 01/01/2004
Section(s) Changed Since Last Revision:
Section 1 Description Updated
Section 2 Crystalline Silica (Quartz) Language Updated
Section 8 Crystalline Silica (Quartz) Language Updated
Section 9 Appearance Updated
Section 16 Product Name Updated

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Disclaimer

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Key/Legend

ACGIH	American Conference of Governmental Industrial Hygienists
ANSI	American National Standards Institute
C	Ceiling Limit
CAS	Chemical Abstract Services Number
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CFR	Code of Federal Regulations
CWA	Clean Water Act
DOT	Department of Transportation
DSL	Domestic Substance List
EPA	Environmental Protection Agency
FDA	Food and Drug Administration
HCS	Hazard Communication Standard
HEPA	High Efficiency Particulate Air
HMIS	Hazardous Material Identification System
IARC	International Agency for Research on Cancer
LCLO	Lowest lethal concentration of a substance
LC50	Concentration of a material expected to kill 50% of an animal test group
LDLO	Lowest lethal dose of a material
LD50	Dose of a material expected to kill 50% of an animal test group
NA	Not Available or Not Applicable
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
NJTSP	New Jersey Trade Secret Registry
N O S	Not Otherwise Specified
NSL	Non-Domestic Substance List
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PPE	Personal Protective Equipment
SARA	Superfund Amendments and Reauthorization Act
STEL	Short Term Exposure Limit
TCLo	Lowest Concentration in Air Resulting in a Toxic Effect
TDLo	Lowest Dose Resulting in a Toxic Effect
TDG	Canadian Transportation of Dangerous Goods
TLV	Threshold Limit Value
TSCA	Toxic Substance Control Act
TWA	Time Weighted Average

This is the end of MSDS # GP-072